AMENDMENTS TO THE CLAIMS, COMPLETE LISTING OF CLAIMS IN ASCENDING ORDER WITH STATUS INDICATOR

Please amend the following claims as indicated.

1. (Canceled).

2. (Canceled).

3. (Canceled).

4. (Canceled).

5. (Canceled).

6. (Canceled).

7. (Canceled).

8. (Canceled).

9. (Canceled).

10. (Canceled).

11. (Currently Amended) A method for cell-free protein synthesis, comprising:

rapidly freezing a cultured mammalian cell suspended in a solution for extraction to prepare a cultured mammalian cell extract liquid; and

using the ~~a~~ cultured mammalian cell extract liquid to conduct a cell-free protein synthesis reaction; ~~said cultured mammalian cell extract liquid being prepared by a preparation method comprising at least the step of rapidly freezing a cultured mammalian cell suspended in a solution for extraction~~

wherein rapidly freezing the cultured mammalian cell comprises freezing the cultured mammalian cell in 10 seconds or less.

12. (Original) The method for cell-free protein synthesis according to claim 11, comprising the steps of;

effecting incubation of a reaction liquid for cell-free protein synthesis containing components other than an exogenous mRNA, and then

adding an exogenous mRNA into the reaction liquid to conduct synthetic reaction.

13. (Original) The method for cell-free protein synthesis according to claim 12, wherein the incubation is carried out at 0°C to 50°C.

14. (Previously Presented) The method for cell-free protein synthesis according to claim 11, wherein the solution for extraction comprises at least a potassium salt, a magnesium salt, dithiothreitol and a buffer.

15. (Previously Presented) The method for cell-free protein synthesis according to claim 11, wherein the preparation method further comprises the step of thawing the cultured mammalian cell after rapid freezing, and subjecting the cell to centrifugation.

16. (Previously Presented) The method for cell-free protein synthesis according to claim 11, wherein the cultured mammalian cell is rapidly frozen with liquid nitrogen.

17. (Previously Presented) The method for cell-free protein synthesis according to claim 15, wherein the cultured mammalian cell rapidly frozen is thawed in a water bath or ice-water bath at -10°C to 20°C.

18. (Previously Presented) The method for cell-free protein synthesis according to claim 11, wherein the solution for extraction contains a protease inhibitor.

19. (Withdrawn) The method for cell-free protein synthesis according to claim 11, wherein the cultured mammalian cell is a cultured cell derived from lymphoma.

20. (Previously Presented) The method for cell-free protein synthesis according to claim 11, wherein the cultured mammalian cell is a cultured cell derived from a gonad.

21. (Previously Presented) The method for cell-free protein synthesis according to claim 20, wherein the cultured mammalian cell is a cultured cell derived from Chinese hamster ovary (CHO).

22. (Previously Presented) The method for cell-free protein synthesis according to claim 21, wherein the Chinese hamster ovary (CHO) is derived from CHO K1-SFM.

23. (New) The method for cell-free protein synthesis according to claim 11, wherein the step of using the cultured mammalian cell extract liquid to conduct the cell-free protein synthesis reaction comprises;

preparing a reaction liquid for cell-free protein synthesis by mixing the cultured mammalian cell extract liquid with components comprising at least exogeneous mRNA, potassium salt, magnesium salt, DTT, adenosine triphosphate, guanosine triphosphate, creatine phosphate, creatine kinase, amino acid component, RNase inhibitor, tRNA, and buffer, and

incubating the reaction liquid for cell-free protein synthesis to conduct the cell-free protein synthesis reaction.

24. (New) The method for cell-free protein synthesis according to claim 11, wherein the step of using the cultured mammalian cell extract liquid to conduct the cell-free protein synthesis reaction comprises;

preparing a mixture by mixing the cultured mammalian cell extract liquid with components other than exogeneous mRNA comprising at least potassium salt, magnesium salt, DTT, adenosine triphosphate, guanosine triphosphate, creatine phosphate, creatine kinase, amino acid component, RNase inhibitor, tRNA, and buffer,

incubating the mixture in the range of 15°C-37°C,

preparing a reaction liquid for cell-free protein synthesis by mixing the incubated mixture with exogeneous mRNA, and

incubating the reaction liquid for cell-free protein synthesis to conduct the cell-free protein synthesis reaction.